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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,606	12/23/2003	Yuh Cheng	MTKP0055USA	1605
27765 NORTH AME	7590 01/16/200 ERICA INTELLECTUA	EXAMINER .		
P.O. BOX 506	5	NGUYEN, LINH THI		
MERRIFIELI	MERRIFIELD, VA 22116		ART UNIT	PAPER NUMBER
•	•		2627	
	•	;	MAIL DATE	DELIVERY MODE
			01/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental Notice of Allowability

Application No.	Applicant(s)	
10/707,606	CHENG, YUH	•
Examiner	Art Unit	
Linh T. Nguven	2627	

Notice of Anomability	Examiner	Art Unit				
	Linh T. Nguyen	2627				
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	lication. If not include will be mailed in due	ed course. THIS			
1. This communication is responsive to						
2. The allowed claim(s) is/are						
3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All _ b) ☐ Some* c) ☐ None of the:						
1. Certified copies of the priority documents have						
2. Certified copies of the priority documents have	' '		•			
3. Copies of the certified copies of the priority doc	cuments have been received in this	national stage applica	tion from the			
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:			•			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the re	quirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus						
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached				
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		•				
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	office action of				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawir he header according to 37 CFR 1.121(ngs in the front (not the	back) of			
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
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Attachment(s)						
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary Paper No./Mail Dat		•			
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛛 Examiner's Amendr					
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🔲 Examiner's Stateme	ent of Reasons for Alle	owance			
	9. Other					
		AYNE YOUNG PY PATENT EXAM	NER			
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Art Unit: 2627

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Winston Hsu on December 7, 2006.

The specification should be amended as follows:

On paragraph [0052], page 24, lines 11-12, the equation should be

....
$$A1 = G_{h_{p_1}}(a+c)$$
, where $G_{h_{p_1}}$

On paragraph [0052], page 25, lines 1-7, the equation should be

---- The corresponding operation formula is: $A2 = G_{_{hp2}}(b+d)$, where $G_{_{hp2}}$ is the transformation function of the second high-pass filter 83 ($G_{_{hp2}}$ can be the same as or different to $G_{_{hp1}}$). ----

On paragraph [0053], page 27, lines 5-10, the equation should be $----AR = f(A1,A2,\Delta\tau) = G_{_{eq}}(A1+A2) = \left|G_{_{eq}}\right|e^{_{_{js\Delta\tau}}}(A1+A2) \ , \ \ \text{where} \ \ G_{_{eq}} \ \text{is} \ \ \text{the}$ transformation function the equalizer 89, and $\Delta\tau$ ----

On paragraph [0054], page 29, lines 7-9, the equation should be

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$$TE = G_{lpf}(DC1 - DC2)$$
 , where G_{lpf} ----

On paragraph [0058], page 32, lines 12-14, the equation should be $A1 = G_{hp}(a)$; $A2 = G_{hp}(b)$; $A3 = G_{hp}(c)$;----

On paragraph [0058], page 33, lines 1-3, the equation should be $A4=G_{hp}\left(d\right)$, where G_{hp} ----

On paragraph [0059], page 33, line 6, the equation should be

$$ASR = f(A1, A2, A3, A4, \Delta\tau) = G_{eq}(A1 + A2 + A3 + A4) = |G_{eq}|e^{js\Delta\tau}(A1 + A2 + A3 + A4)|$$

On paragraph [0059], page 34, lines 1-3, the symbol should be G_{eq} is the transformation function of the equalizer 109 and Δau ----

On paragraph [0062], page 37, lines 9-11, the equation should be $---TE = G_{lpf}(DSC1-DSC2+DSC3-DSC4) \text{ , where } G_{lpf}----$

On paragraph [0064], page 38, line 10, the equation should be $A1 = G_{hp}(a)$;----

On paragraph [0064], page 39, lines 1-5, the equation should be $A2=G_{hp}(b)$; $A3=G_{hp}(c)$; $A4=G_{hp}(d)$, where G_{hp}

On paragraph [0066], page 43, lines7-9, the equation should be $---TE = G_{lpf}(DC1-DC2+DC3-DC4) \text{ , where } G_{lpf}----$

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh T. Nguyen whose telephone number is 571-272-5513. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

WAYNE YOUNG
WAYNE YOUNG
BUPERVISORY PATENT EXAMINER

LN December 7, 2006